State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-288-B
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: TTY3.41JGFEK Displacement: 3.4 Liters (206.1 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection
Exhaust Gas Recirculation
Heated Oxygen Sensors (two)
Three Way Catalytic Converter

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (in-use compliance standards in parentheses) for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	50,000	0.25 (0.32)	3.4 (5.2)	0.4 (0.4)	10.0 (10.0)
	100,000	0.31 (n/a)	4.2 (n/a)	0.6 (n/a)	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	50,000	0.12	1.7	0.3	5.7
	100,000	0.12	2.0	0.3	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 20 percent of the manufacturer's projected sales of 1996 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed models also comply with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 9th day of August 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: TOYOTA Exh Eng Fam: TTY3.41JGFEK Evap Fam: TTY1095AYME0
All Eng Codes in Eng Fam: CA___ 49S___ 50S x AB965___
Exh Std: CA Tier-1 x TLEV___ LEV___ ULEV___ ZEV___; US EPA Tier-1 x
Evap std: 50K___ Useful Life with R/L x In-Use Exh Std: Full In Use___ Alt In Use x
Veh Class(es): PC___ LDT1 x LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Fuel Type(s): Dedicated x Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline x Diesel___
CNG___ LNG___ LPG___ M85___ Other(specify)___
Emiss Test Fuel(s): Indo x Ph2___ CNG___ LPG___ M85___ Other(specify)___
Diesel: 13CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___
Service Accum: Std AMA x Mod AMA___ Mfr ADP___ Other(specify)___
NMOG Test Procedure: N/A x Std___ Equiv___ R/L Test Proc: SHED x Pt Source___
Hybrid: Type A___ B___ C___, APU Cycle(e.g., Otto, Diesel, Turbine):___
Engine Configuration: V-6 Displacement: 3.4 / Liters 206.1 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 190 @ 4,800 RPM
Engine: Front x Mid___ Rear___ Drive: FWD___ RWD___ 4WD-FT___ 4WD-PT x
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR, HO2S(2), TWC
(use abbreviations per SAE J1930 SEP91)

Engine Code/ (also list CA/ 49S/ 50ST)	Vehicle Models (if coded see attachmt)	Trans. (M5, A4 etc.)	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter part No.
5	VZN160L-TRMDKAB	M5	3625	14.5, 14.9	89661-04210	25620-62050	S98
6	VZN160L-TRMDKAB		3750	15.9, 16.3			

Comments : Please refer to manufacturer's HP list for correct dyno test HP setting based on model and equipment.

VEHICLE MODELS:

TOYOTA TACOMA 4WD
VZN160L-TRMDKAB

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: TOYOTA Exh Eng Fam: TTY3.41JGFEK Evap Fam: TTY1095AYME0
All Eng Codes in Eng Fam: CA ___ 49S ___ 50S x AB965
Exh Std: CA Tier-1 x TLEV ___ LEV ___ ULEV ___ ZEV ___; US EPA Tier-1 x
Evap std: 50K ___ Useful Life with R/L x In-Use Exh Std: Full In Use ___ Alt In Use x
Veh Class(es): PC ___ LDT1 x LDT2 ___ MDV1 ___ MDV2 ___ MDV3 ___ MDV4 ___ MDV5 ___
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Fuel Type(s): Dedicated x Flex-Fuel ___ Dual-Fuel ___ Bi-Fuel ___ Gasoline x Diesel ___
CNG ___ LNG ___ LPG ___ M85 ___ Other(specify) ___
Emiss Test Fuel(s): Indo x Ph2 ___ CNG ___ LPG ___ M85 ___ Other(specify) ___
Diesel: 13CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 ___
Service Accum: Std AMA X Mod AMA ___ Mfr ADP ___ Other(specify) ___
NMOG Test Procedure: N/A x Std ___ Equiv ___ R/L Test Proc: SHED x Pt Source ___
Hybrid: Type A ___ B ___ C ___, APU Cycle(e.g., Otto, Diesel, Turbine): ___
Engine Configuration: V-6 Displacement: 3.4 / Liters 206.1 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 190 @ 4,800 RPM
Engine: Front x Mid ___ Rear ___ Drive: FWD ___ RWD ___ 4WD-FT ___ 4WD-PT x
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR, HO2S(2), TWC
(use abbreviations per SAE J1930 SEP91)

		Sect/Page#
1	Authorized Representative	01.02.00
2	Fuel Specifications	03.00.00
3	Test Equipment	04.00.00
4	Test Procedure	05.00.00
5	Mileage Accumulation Route	02.04.00
6	Emission Warranty Statement	17.10.00
7	Maint: Cert/Req'd/Recm'd	06.00.00
8	Emiss Label/Vac Hose Diag	07.00.00
9	Evap Control System	19.00.00
10	Engine Parameters	20.01.00
11	Fuel System	08.01.00.00
12	Iginition System	08.01.00.00
13	Exhaust Control System	20.02.00
14	Proj Sales(LDT/MDV Split)	17.13.00
15	Vehicle Description	20.02.08
16	Evap Bench Test Procedure	13.02.02
17	R/L Temp & Press Profiles	19.05.03&12.01.03
18	EDV Selection	02.03.02
19	Prod Veh same as Test Veh	17.01.01

		Sect/Page #
21	Gen Std, increase in Emiss, Safety, Meets all Reqmts	20.03.05
22	Emission Label Durability	07.00.00
23	Driveability Statement	17.01.02
24	Adjustable Parameters	08.16.01.00
25	Tamper Resistance Method(s)	08.16.02.00
26	Fill Pipe Specifications	17.04.00
27	High Altitude Compliance	17.02.00
28	OBD Sys incl Marked Revisions	02.06.00
29	I&M Test Procedure & Data	17.11.00
30	50 Degree F Compliance	N/A
31	Manufacturer's RAF	N/A
32	Phase-In Plans: Exh Cert Stds	N/A
	Exh In-Use Stds	17.18.00
	Evap Cert Stds	17.19.00
33	NMOG Fleet Average Calcuration	17.15.00
34	AB965 Credits/Withdrawals	N/A
35	EPA Certificate TOYOT-LDT-96-05-00	
36	Equiv NMOG Proc--ARB Approval	N/A

20 Test Vehicle Information	Durability Data Vehicle	Emission Data Vehicle	Emission Data Vehicle	Emission Data Vehicle
C/O or C/A MY & ID	C/O 95-DT1	96-VZN1	96-VZN1	___ ___
Vehicle Log Page(s)	20.03.04	20.03.04	20.03.04	
Zero Mile Book Page(s)	17.12.01(95MY)	20.03.06	20.03.06	
Maint Logs & Engr Eval	17.12.02(95MY)	17.02.02	17.02.02	

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